



PTO/SB/08A (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid

OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Complete if Known	
		Application Number	10/709,676
		Filing Date	May 21, 2004
		First Named Inventor	SARKAR, Sujit
		Art Unit	3746
		Examiner Name	Not known
Sheet 1	of 11	Attorney Docket Number 47466-8	

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No.†	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code* (if known)			
9/24		US-4,008,041	Feb. 15, 1977	Roffe et al.	
9/24		US-4,140,473	Feb. 20, 1979	Hoehling et al.	
9/24		US-4,140,472	Feb. 20, 1979	Hoehling et al.	
9/24		US-4,289,475	Sept. 15, 1981	Wall et al.	
9/24		US-4,302,177	Nov. 24, 1981	Fankhanel et al.	
9/24		US-2,685,866	Aug. 10, 1954	O.A. Yost	
9/24		US-3,357,407	Dec. 12, 1967	J.P. Fanaritis	
9/24		US-3,052,223	Sept. 4, 1962	P. Profos	
9/24		US-4,109,613	Aug. 29, 1978	Hayden et al.	
9/24		US-3,017,870	Jan. 23, 1962	P. Profos	
9/24		US-5,979,549	Nov. 9, 1999	Meeks	
9/24		US-6,129,148	Oct. 10, 2000	Meeks	
9/24		US-1,150,948	Aug. 24, 1915	V. Laziny	
9/24		US-722,466	Mar. 10, 1903	J.W. Sutton	
9/24		US-715,842	Dec. 16, 1902	R. McKay	
9/24		US-603,502	May 3, 1898	C.H. Fox	
9/24		US-451,245	Apr. 28, 1891	H. Hyde	
9/24		US-355,178	Dec. 28, 1886	W. A. Kirby	
9/24		US-135,996	Feb. 18, 1873	P.J. McMahon	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No.†	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T*
		Country Code*Number*Kind Code* (if known)				

Examiner Signature	<i>Gregory A. Wilson</i>	Date Considered	6/22/05
--------------------	--------------------------	-----------------	---------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. †Applicant's unique citation designation number (optional). *See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. †Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). †For the Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. *Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. †Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select Option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Complete if Known	
		Application Number	10/709,676
		Filing Date	May 21, 2004
		First Named Inventor	SARKAR, Sujit
		Art Unit	3746
		Examiner Name	Not known
Sheet 2	of 11	Attorney Docket Number	47466-8

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No.†	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code* (if known)			
9/24/04		US-75,296	Mar. 10, 1868	P. Quinn	
9/24/04		US-931,907	Aug. 24, 1909	C. Wegener	
9/24/04		US-301,092	July 1, 1884	S.N. Carvalho	
9/24/04		US-1,421,902	July 4, 1922	J.H. Brown	
9/24/04		US-1,775,962	Sept. 16, 1930	T. Love	
9/24/04		US-1,980,424	Nov. 13, 1934	L.F. Morgan	
9/24/04		US-2,020,686	Nov. 12, 1935	P.W. Kaiser	
9/24/04		US-2,207,654	July 9, 1940	J.H. Brown	
9/24/04		US-2,291,872	Aug. 4, 1942	J.E. Brantly	
9/24/04		US-2,304,409	Dec. 8, 1942	L.W. Jeffords	
9/24/04		US-2,312,622	Mar. 2, 1943	J.E. Brantly	
9/24/04		US-3,267,912	Aug. 23, 1966	F. Läubli	
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No.†	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T*
		Country Code*Number*Kind Code* (if known)				

Examiner Signature	<i>Gregory A. Wilson</i>	Date Considered	6/22/05
-----------------------	--------------------------	--------------------	---------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. †Applicant's unique citation designation number (optional). ‡See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. §Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ¶For the Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. *Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. *Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select Option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Complete if Known	
				Application Number	10/709,676
				Filing Date	May 21, 2004
				First Named Inventor	Sarkar, Sujit K.
				Art Unit	3746
				Examiner Name	Unknown
Sheet 3		of 11		Attorney Docket Number	47466-8

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
9/24/04		US-6,481,641	11-19-2002	Mienay	
9/24/04		US-6,481,207	11-19-2002	Miura, et al.	
9/24/04		US-6,475,409	11-05-2002	Iijima, et al.	
9/24/04		US-6,190,628	02-20-2001	Carter	
9/24/04		US-6,210,150	04-03-2001	Rosen, et al.	
9/24/04		US-5,293,842	03-15-1994	Loesel	
9/24/04		US-6,523,348	02-25-2003	Acharya, et al.	
9/24/04		US-2002/0152681	10-24-2004	Oh et al.	
9/24/04		US-2003/0035766	02-20-2003	Baca et al.	
9/24/04		US-2002/0002819	01-10-2002	Gorman et al.	
9/24/04		US-2003/0037534	02-27-2003	Sugishita et al.	
9/24/04		US-2003/0024488	02-06-2003	Bingham et al.	
9/24/04		US-2003/0017428	01-23-2003	Reiner, et al.	
9/24/04		US-2002/0157618	10-31-2002	Franke et al.	
9/24/04		US-2002/0017100	02-14-2002	Berndt, et al.	
9/24/04		US-2003/0015321	01-23-2003	Lim, et al.	
9/24/04		US-2003/0000220	01-02-2003	Liebig, et al.	
		US-			
		US-			

ONLY PORTIONS OF
THESE US DOCUMENTS
ARE ENCLOSED, AS
ONLY THESE PORTIONS
ARE THOSE OF WHICH
THE APPLICANT IS
BELIEVED TO BE
AWARE

FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)			

Examiner Signature	Gregory A. Zilman	Date Considered	6/22/05
--------------------	-------------------	-----------------	---------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For the Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select Option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Complete If Known		
		Application Number	10/709,676	
		Filing Date	May 21, 2004	
		First Named Inventor	Sarkar, Sujit K.	
		Art Unit	3746	
		Examiner Name	Unknown	
Sheet 4		11	Attorney Docket Number	47466-8

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
JSW		Portion of CA 1,273,856; Published September 11, 1990; Zorzit	
	/	Portion of CA 1,128,386; Published July 27, 1982; Viessmann	
	/	Portion of CA 1,252,352; Published April 11, 1989; Krans, et al.	
	/	Portion of CA 2,024,816; Published April 18, 1991; Albrecht	
	/	Portion of CA 1,123,287; Published May 11, 1982; Livingstone	
	/	Portion of CA 1,166,532; Published May 1, 1984; Styslinger	
	/	Portion of CA 2,082,502; Published October 29, 1992; Balint, et al.	
	/	Portion of CA 2,089,612; Published April 17, 1994; Moscone	
	/	Portion of CA 2,314,844; Published February 2, 2001; Tanaka, et al.	
	/	Portion of CA 1,259,537; Published September 19, 1989; Buice	
✓	/	Portion of CA 2,211,983; Published August 28, 1998; Watanabe, et al.	

Examiner Signature	Gregory A. Wilson	Date Considered	6/22/05
--------------------	-------------------	-----------------	---------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Complete if Known	
		Application Number	10/709,676
		Filing Date	May 21, 2004
		First Named Inventor	Sarkar, Sujit K.
		Art Unit	3746
		Examiner Name	Unknown
Sheet 5	11	Attorney Docket Number	47466-8

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
JSW	/	Portion of CA 2,094,205; Published October 18, 1993; Nagato, et al.	
	/	Portion of CA 1,099,161; Published April 14, 1981; Jehn, et al.	
	/	Portion of CA 1,080,053; Published June 24, 1980; Michel	
	/	Portion of CA 2,157,221; Published March 9, 1996; Phelps	
	/	Portion of CA 1,170,175; Published July 3, 1984; Sperry, et al.	
	/	Portion of CA 1,260,341; Published September 26, 1989; Paquet	
	/	Portion of CA 1,201,026; Published February 25, 1986; Rees	
	/	Portion of CA 1,129,276; Published August 10, 1982; Angelini	
	/	Portion of CA 2,049,815; Published February 28, 1992; Budin, et al.	
	/	Portion of CA 1,156,886; Published November 15, 1983; Beckett	
↓	↓	Portion of CA 1,050,839; Published March 20, 1979; Woodmansee, et al.	

Examiner Signature	Gregory A. Zilber	Date Considered	6/22/05
--------------------	-------------------	-----------------	---------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Complete If Known		
		Application Number	10/709,676	
		Filing Date	May 21, 2004	
		First Named Inventor	Sarkar, Sujit K.	
		Art Unit	3746	
		Examiner Name	Unknown	
Sheet 6		11	Attorney Docket Number	47466-8

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
gaw		Portion of CA 653,200; Published November 27, 1962; Alick, et al.	
		Portion of CA 2,006,576; Published June 22, 1990; Miura, et al.	
		Portion of CA 1,313,088; Published January 26, 1993; Campbell, et al.	
		Portion of CA 1,318,196; Published May 25, 1993; Abdulally	
		Portion of CA 1,329,323; Published May 10, 1994; Ziemianek	
		Portion of CA 2,058,161; Published June 22, 1992; Hulkkonen, et al.	
		Portion of CA 2,060,375; Published August 1, 1992; Soltys, et al.	
		Portion of CA 2,102,835; Published May 14, 1994; Dietz	
		Portion of CA 2,124,432; Published January 7, 1995; Tang	
		Portion of CA 2,163,172; Published June 8, 1996; Campbell, et al.	
Y		Portion of CA 2,186,369; Published October 19, 1995; Hiltunen, et al.	

Examiner Signature	Gregory A. Wilson	Date Considered	6/22/05
--------------------	-------------------	-----------------	---------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Complete If Known	
		Application Number	10/709,676
		Filing Date	May 21, 2004
		First Named Inventor	Sarkar, Sujit K.
		Art Unit	3746
		Examiner Name	Unknown
Sheet 7	11	Attorney Docket Number	47466-8

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
gsw		Portion of CA 2,239,391; Published July 2, 1998; Garcia-Mallol	
		Portion of CA 2,383,586; Published March 8, 2001; Worman	
		Portion of CA 525,170; Published May 15, 1956; Alick	
		Portion of CA 561,863; Published August 12, 1958; Alick	
		Portion of CA 788,269; Published June 25, 1968; Fanaritis	
		Portion of CA 1,196,344; Published November 5, 1985; McCallister	
		Portion of CA 1,261,630; Published September 26, 1989; Spangler, et al.	
		Portion of CA 2,096,011; Published May 28, 1992; Corbett, et al.	
		Portion of CA 2,026,455; Published April 4, 1991; Tokuda, et al.	
		Portion of CA 1,133,773; Published October 19, 1982; Bernstein	
y		Portion of CA 1,163,919; Published March 20, 1984; Meeks, et al.	

Examiner Signature	Gregory A. Wilson	Date Considered	6/22/05
--------------------	-------------------	-----------------	---------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Complete If Known		
		Application Number	10/709,676	
		Filing Date	May 21, 2004	
		First Named Inventor	Sarkar, Sujit K.	
		Art Unit	3746	
		Examiner Name	Unknown	
Sheet 8		11	Attorney Docket Number	47466-8

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
JAW		Portion of CA 2,372,547; Published November 9, 2000; Hagan, et al.	
		Portion of CA 1,215,230; Published December 16, 1986; Osman	
		Portion of CA 1,285,899; Published July 9, 1991; Fuderer	
		Portion of CA 2,389,444; Published January 18, 2003; Cargel, et al.	
		Portion of CA 1,235,610; Published April 26, 1988; Downs, et al.	
		Portion of CA 2,105,166; Published October 1, 1992; Valentine	
		Portion of CA 2,373,456; Published October 26, 2002; Tsirolnikov, et al.	
		Portion of CA 2,394,202; Published June 21, 2001; Henkel, et al.	
		Portion of CA 1,166,531; Published May 1, 1984; Rodwell	
		Portion of CA 315,507; Published September 22, 1931; Barnes	
↓		Portion of CA 325,131; Published August 16, 1932; Lucke	

Examiner Signature	Gregory A. Wilson	Date Considered	6/22/05
--------------------	-------------------	-----------------	---------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Complete If Known		
		Application Number	10/709,676	
		Filing Date	May 21, 2004	
		First Named Inventor	Sarkar, Sujit K.	
		Art Unit	3746	
		Examiner Name	Unknown	
Sheet 9		11	Attorney Docket Number	47466-8

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
24W		Portion of CA 325,287; Published August 23, 1932; Lucke	
		Portion of CA 326,507; Published October 4, 1932; Jones	
		Portion of CA 342,249; Published June 12, 1934; Jacobus, et al.	
		Portion of CA 345,165; Published October 9, 1934; Howard, et al.	
		Portion of CA 355,745; Published February 4, 1936; Schmidt	
		Portion of CA 505,241; Published August 17, 1954; Clarkson	
		Portion of CA 611,339; Published December 27, 1960; Theodore	
		Portion of CA 840,746; Published May 5, 1970; Vorkauf	
		Portion of CA 893,491; Published February 22, 1972; Ruhe	
		Portion of CA 1,041,079; Published October 24, 1978; Hapgood	
✓		Portion of CA 1,041,080; Published October 24, 1978; Hapgood	

Examiner Signature	Gregory A. Zilson	Date Considered	6/22/05
--------------------	-------------------	-----------------	---------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Complete If Known		
		Application Number	10/709,676	
		Filing Date	May 21, 2004	
		First Named Inventor	Sarkar, Sujit K.	
		Art Unit	3746	
		Examiner Name	Unknown	
Sheet 10		11	Attorney Docket Number	47466-8

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
JAW		Portion of CA 1,041,081; Published October 24, 1978; Hapgood	
		Portion of CA 1,042,291; Published November 14, 1978; Gibson	
		Portion of CA 1,062,976; Published September 25, 1979; Viessmann	
		Portion of CA 1,088,823; Published November 4, 1980; Regamey	
		Portion of CA 1,091,108; Published December 9, 1980; Siegrist	
		Portion of CA 1,095,347; Published February 10, 1981; Freund	
		Portion of CA 1,125,115; Published June 8, 1982; Shenker	
		Portion of CA 1,238,539; Published June 28, 1988; Dragojevic	
		Portion of CA 1,067,484; Published December 4, 1979; Smith	
		Portion of CA 1,127,143; Published July 6, 1982; Kubo, et al.	
↓		Portion of CA 1,268,999; Published May 15, 1990; Elmlund	

Examiner Signature	Gregory A. Wilson	Date Considered	6/22/05
--------------------	-------------------	-----------------	---------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Complete If Known		
		Application Number	10/709,676	
		Filing Date	May 21, 2004	
		First Named Inventor	Sarkar, Sujit K.	
		Art Unit	3746	
		Examiner Name	Unknown	
Sheet 11		11	Attorney Docket Number	47466-8

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
JSW		Portion of CA 1,265,713; Published February 13, 1990; Cooke	
JSW		Portion of CA 2,094,882; Published October 29, 1993; Pascal	
JSW		Portion of CA 788,269; Published June 25, 1988; Fanaritis	
JSW		Portion of CA 2,187,201; Published April 25, 1996; Rice	
JSW		Portion of CA 1,170,174; Published July 3, 1984, Fox	
JSW		Portion of CA 2,033,988; Published December 27, 1990, Fulleman	
JSW		Design aspects of once through systems for heat recovery steam generators for base load and cyclic operation; Brady; Materials at High Temperatures 18(4) 223-229 © 2001 Science Reviews.	

Examiner Signature	Gregory A. Wilson	Date Considered	6/22/05
--------------------	-------------------	-----------------	---------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.